

**WHAT IS CLAIMED IS:**

1. A data processing system for managing and securing a transaction information associated with a transaction via a third party, the transaction being conducted between a buying party and a selling party, the transaction information comprising a first information associated with the selling party and a second information associated with the buying party, said system comprising:
- a first processing apparatus, operated by the third party, for
- encrypting the second information based on the first information to generate an encrypted second information, and
- transmitting the first information and the encrypted second information out;
- a second processing apparatus, operated by the selling party and linking to the first processing apparatus, for
- storing the first information and the encrypted second information transmitted from the first processing apparatus, and
- transmitting the first information and the encrypted second information back to the first processing apparatus when the selling party requests to check the transaction,
- wherein when the first processing apparatus receives the first information and the encrypted second information transmitted back, the first processing apparatus decrypts the encrypted second information based on the first information to retrieve the transaction information, generates, according to the retrieved transaction information, a response information responsive to request to check the transaction, and transmits the response information to the second processing apparatus; and
- whereby the transaction information is prevented from being altered by the selling party.

2. The data processing system of claim 1, wherein the response information comprises an information for identifying the transaction.

3. The data processing system of claim 1, wherein the response information comprises an information indicating an amount of money associated with the transaction.

4. The data processing system of claim 1, wherein the first information also comprises an index information for directing to the transaction.

5. A data processing method for managing and securing a transaction information associated with a transaction via a third party, the transaction being conducted between a buying party and a selling party, the transaction information comprising a first information associated with the selling party and a second information associated with the buying party, said method comprising the steps of:

(a) encrypting the second information based on the first information to generate an encrypted second information on the third party;

(b) transmitting the first information and the encrypted second information from the third party to the selling party, and storing the first information and the encrypted second information on the selling party;

(c) receiving from the selling party a request information representing a request to check the transaction;

(d) accessing the first information and the encrypted second information from the selling party to the third party;

(e) decrypting the encrypted second information based on the first information to retrieve the transaction information on the third party;

(f) according to the retrieved information, generating a response information

responsive to the request information on the third party; and

(g) transmitting the response information to the selling party;

whereby the transaction information is prevented from being altered by the selling party.

5    6.    The data processing method of claim 5, wherein the response information comprises an information for identifying the transaction.

7.    The data processing method of claim 5, wherein the response information comprises an information indicating an amount of money associated with the transaction.

10   8.    The data processing method of claim 5, wherein the first information also comprises an index information for directing to the transaction.